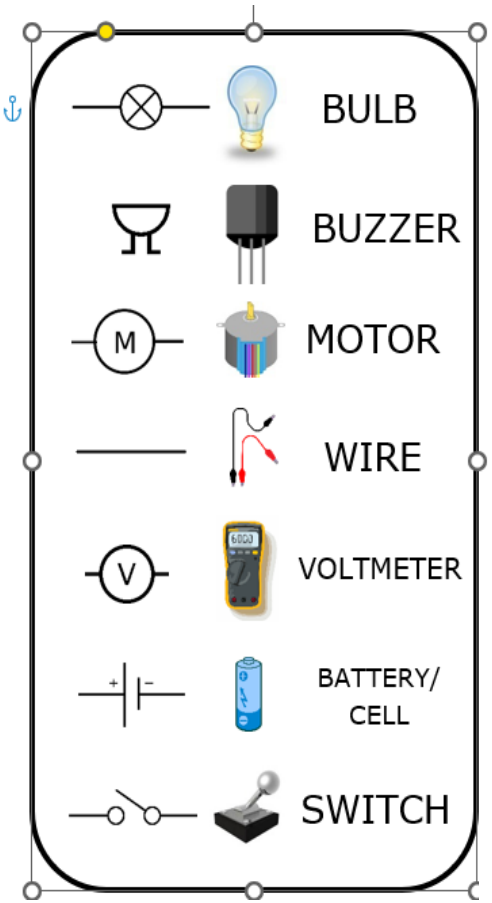
Electricity

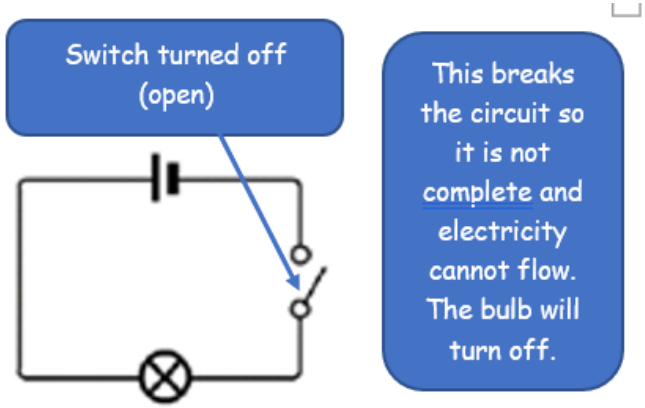
Key vocabulary	
Battery	A device consisting of one or more cells.
Cell	A single electrical energy source.
Circuit	A complete path that an electric current can flow around. It flows from the battery, through wires and devices before returning to the battery. If the circuit is not complete the electric current cannot flow.
Circuit Diagram	A visual representation of an electrical circuit using symbols to represent the electrical components.
Circuit Symbol	A symbol used to represent various electronic components or functions in a diagram of a circuit
Conductor	Allows heat and electricity to flow through.
Current	Is the amount of electricity flowing through the circuit
Insulator	Does not allow electricity to flow through.
Switch	An electrical component that can make or break an electrical circuit. When a switch is open (off), there is a gap in the circuit and electricity cannot flow around the circuit.
Voltage	Volts are a measure of the energy of a flow of electricity. Mains electricity carries a voltage of 210-240 volts. A typical cell in school has 1.5 volts.

The human body is 80% water, so it conducts electricity. If someone has had a shock always turn the electricity off first, then call for help!

Circuit Symbols



Circuit Diagrams



Adding more cells to a circuit makes a bulb brighter: